

Implementation Plan for SSO

	08/17/04		03/22/06
Tasks	Estimated Completion Date	Status	Actual Completion Date
SSO Consultant Pre-Award Activities			
Select SSO consultant	08/06/04	Completed	08/06/04
Award of contract to SSO consultant	09/01/04	Completed	09/17/04
Contact consultant and schedule meeting to revise timeline.	09/15/04	Completed	09/30/04
Consultant start-up activities, orientation, receive documents.	09/15/04 – 12/31/04	Completed	09/30/04 – 12/31/04
FTA/PMO Quarterly Review Meetings	10/07/04	Completed	10/07/04
SSO Task 1 – Scoping Meetings			
ADOT SSO Contractor Scoping Meeting, Tour, & Progress Meeting		Completed	10/19/04 – 10/21/04
SSO Task 2 – SSO Best Practices			
Contractor identifies peer SSO agencies		Completed	11/05/04
Contractor collects peer Standards		Completed	11/12/04
Contractor develops peer SSO “Best Practices” report		Completed	01/26/05
SSO Task 3 – Communications Procedures			
Contractor reviews VMR communications procedures	10/01/04	Completed	11/01/04
Contractor develops ADOT communications procedures		Completed	11/19/04
ADOT approves communications procedures and transmits to VMR		Completed	11/30/04
SSO Task 4 – Emergency Contact List			
Contractor reviews Emergency Contact List with VMR.	10/01/04	Completed	11/01/04
Contractor develops ADOT/VMR Emergency Contact Procedures		Completed	11/19/04
ADOT approves emergency contact list and procedures and transmits to VMR		Completed	11/30/04
SSO Task 5 – Accident & UHC Reporting Requirements			
Contractor reviews VMR Accident	11/01/04	Completed	01/21/05

& UHC definitions and reporting requirements			
Contractor develops Accident & UHC definitions and thresholds		Completed	01/21/05
Contractor drafts Accident & UHC reporting procedures		Completed	01/21/05
Contractor and ADOT define SSO investigation responsibilities		Completed	01/21/05
Contractor drafts Accident & UHC reporting forms		Completed	01/21/05
SSO Task 6 – Program Standards, Procedures & Forms			
ADOT and Contractor meet with VMR/FTA to discuss System Safety Program Standards (SSPS) and Security Program Standards (SPS)		Completed	02/23/05
Contractor develops draft SSPS including provisions for safety certification		Completed	02/18/05
ADOT reviews SSPS		Completed	03/14/05
ADOT sends SSPS to peer SSOs for review and comment		Completed	03/31/05
Contractor develops Final SSPS & ADOT transmits to VMR		Completed	05/31/05 (04/18/05)*
Contractor develops draft Security Program Standards (SPS)		Completed	02/18/05
ADOT reviews SPS		Completed	03/14/05
ADOT sends SPS to peer SSOs for review and comment		Completed	03/31/05
Contractor develops Final Security Standards (SPS) & ADOT transmits to VMR		Completed	05/31/05 (04/18/05)*
Contractor develops draft SSPS & SPS procedures & forms.		Completed	02/18/05
ADOT reviews SSPS & SPS procedures & forms		Completed	03/14/05
ADOT sends SSPS & SPS procedures & forms to peer SSOs for review and comment		Completed	03/31/05
Contractor develops Final SSPS & SPS procedures & forms and ADOT transmits to VMR		Completed	05/31/05 (04/18/05)*
SSO Task 7 – SSO Peer Review			
Contractor identifies peer SSO agencies		Completed	05/13/05
Contractor develops agenda for		Completed	05/27/05

Peer Review Meetings			
Contractor and ADOT facilitate Peer Review Meetings		Completed	06/24/05
ADOT staff visits peer LRT & SSO agencies	06/01/05 – 08/31/05	Completed	06/01/05 – 08/31/05
SSO Task 8 – Safety Review			
VMR submits draft SSP to ADOT	01/01/05 – 06/30/05	Completed	06/30/05
VMR submits draft EMP	01/01/05 – 06/30/05	Completed	06/30/05 (07/22/05)*
ADOT and Contractor review draft SSP	06/01/05 – 12/30/05	Completed	07/29/05 (08/16/05)*
ADOT and Contractor review draft EMP	06/01/05 – 12/30/05	Completed	07/29/05 (08/04/05)*
ADOT review draft SSP and transmit comments to VMR	02/01/06	Completed	09/02/05
ADOT review draft EMP and transmit comments to VMR	02/01/05	Completed	09/02/05
IEI sends comments for EMP to Metro & ADOT	01/30/06	Completed	02/06/06
EMP comment resolution (if needed)	02/01/06	Completed	N/A
ADOT receives finalized EMP	02/17/06	Completed	03/22/06
IEI sends comments for SSP to Metro & ADOT	02/10/06	Completed	03/03/06
SSP comment resolution (if needed)	02/15/06	Not completed	
ADOT receives finalized SSP	03/03/06	Not completed	
ADOT receives draft SSPP	02/06/06	Completed	03/09/06
ADOT/Dovetail reviews & returns to Metro	02/22/06	Completed	03/21/06
SSPP comment resolution (if needed)	03/10/06	Not completed	
ADOT receives finalized SSPP	03/31/06	Not Complete	
ADOT receives draft AIP	02/20/06	Completed	02/20/06
ADOT/Dovetail reviews & returns to Metro	03/08/06	Complete	03/21/06
AIP comment resolution (if needed)	03/24/06	Not Complete	
ADOT receives finalized AIP	04/14/06	Not Complete	
ADOT Initial Submission to FTA	05/01/06	Not completed	
ADOT reviews METRO Activation Plan	06/30/06	Not completed	
ADOT reviews Safety & Security Services Contractor	07/31/06	Not completed	

ADOT reviews TVA for MSF & OCC	08/30/06	Not completed	
ADOT annual review of core documents (EMP,SPP,SSPP,AIP)	01/31/07	Not completed	
ADOT review of Safety & Security Certification Process	03/31/07	Not completed	
ADOT reviews plan for test track	06/31/07	Not completed	
Pre-Revenue Activities - 2006			
Vehicle Maintenance Contract	03/31/06	Not completed	
Operations Contract	03/31/06	Not completed	
Vehicle & Transportation Selected	07/31/06	Not completed	
Tempe Town Lake Bridge Completed	08/31/06	Not completed	
Hire core team of supervisors & foreman	09/30/06	Not completed	
First LRT vehicle arrives (101) All assembled, rest will need to be assembled in the shop.	12/14/06	Not completed	
Pre-Revenue Activities - 2007			
Maintenance Storage Facility complete	01/31/07	Not completed	
Wheel truing machine complete	01/31/07	Not completed	
Limited test track complete. 1 ¼ mile available (48 th St. –56 th St.) 55mph speeds needed for test.	01/31/07	Not completed	
Vehicle burn in. Emerg. Braking, accel/decel. speeds to specs., 2 months of testing.	03/01/07 – 04/30/07	Not completed	
Entire test track & OCS complete.	05/30/07	Not completed	
LS3 complete. McDowell Rd. – 27 th St./Wash. St.	07/31/07	Not completed	
Last 2 vehicles arrive.	10/31/07	Not completed	
LS2 complete. McDowell Rd. - Central/Camelback	10/31/07	Not completed	
Interface test (rail tilt), Track power short circuit test, DC closure live test (will it trip off), Pull away test (full throttle pull away), No voltage or current fault test, High Voltage (dead wire; clearance on OCS; dead wire than live wire).	10/31/07	Not completed	
LS1 complete. Central/Camelback – Monte Bello	12/31/07	Not completed	
LS4 complete. 27 th St. –South of Tempe Town Lake Bridge.	12/31/07	Not completed	

Pre-Revenue Activities - 2008			
LS5 complete. Tempe Town Lake Bridge – Sycamore.	01/31/08	Not completed	
Traction & electrification complete.	06/30/08	Not completed	
Select system and facility vendors for OCS, track, station landscape	07/31/08	Not completed	
Signal & communications complete.	08/31/08	Not completed	
TVM/Fare collection complete.	09/30/08	Not completed	
Station finishes complete. (Art work)	09/30/08	Not completed	
Integrated Testing of LRVs & system	12/15/06 – 12/26/08	Not completed	
Safety Certification Process.	11/26/08	Not completed	
Revenue Service.	12/26/08	Not completed	

Acronyms

ADOT	Arizona Department of Transportation
AIP	Accident Investigation Plan
EMP	Emergency Management Plan
LRT	Light Rail Transit
MSF	Maintenance & Storage Facility
OCC	Operation Control Center
PHA	Preliminary Hazard Analysis
SCP	System Certification Plan
SPS	Security Program Standards
SSO	State Safety Oversight
SSP	System Security Plan
SSPP	System Safety Program Plan
SSPS	System Safety Program Standards
TVA	Threat & Vulnerability Analysis
UHC	Unacceptable Hazardous Condition
VMR	Valley Metro Rail, Inc.
()*	actual date